

JOHNS' SLUDGE POND

KANSAS

EPA ID# KSD980631980

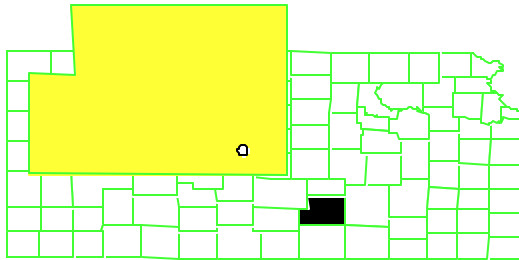
EPA Region 7

City: Wichita

County: Sedgwick County

Other Names:

05/07/2003



SITE DESCRIPTION

The Johns' Sludge Pond site is a 1/2 acre site located in an industrialized area in northern Wichita, Kansas. From 1951 to 1970 the Super Refined Oil Company, which is no longer in business, recycled waste oil and disposed of an estimated 7,000 cubic yards of oily sludge in an unlined pond. The principal hazard associated with the site was the acidity of the sludge and the water lying above it. Historically, the site would overflow periodically during periods of heavy rainfall, releasing its contents to the surrounding surface waters. Approximately one-half of the site is owned by the Ethel Johns' estate. The city of Wichita condemned the north-western portion of the site in the 1970s, in order to provide drainage along the adjacent highway which was under construction at the time, and as a result, own that portion of the site which was condemned. A drainage ditch located adjacent to the site carries surface water from the site to Chisholm Creek, 1 1/2 miles downgradient of the site. Chisholm Creek flows into a concrete ditch receiving runoff from the adjacent highway and empties into the Arkansas River south of the city. Fishing takes place in a borrow pit located adjacent to the site. Currently, there are no wells at or near the site used for drinking.

Site Responsibility:

This site was addressed through federal and responsible party actions.

NPL LISTING HISTORY

Proposed Date: 12/30/1982

Final Date: 09/08/1983

Deleted Date: 01/06/1992

THREATS AND CONTAMINANTS

Before cleanup, the site pond contained highly acidic sludge and acidic water. The EPA found heavy metals including lead, as well as polychlorinated biphenyls (PCBs) in some of the sludge at the site. The site cleanup has removed the potential exposure and allowed the site to be protective of human health and the environment.

CLEANUP APPROACH

Response Action Status

Initial Actions: In accordance with a Consent Order signed with EPA, the city of Wichita conducted a removal action on the site property. The removal action cleanup consisted of removal of sludge from the disposal cell and stockpiling on adjacent ground surface, installation of a clay liner on the bottom of the disposal cell, solidifying the stockpiled sludge with cement kiln dust, redepositing the solidified sludge in the lined disposal cell, constructing a compacted clay cap over the sludge and on the sidewalls of the disposal cell, installation of a soil cover over the clay cap, and seeding with vegetation, construction of a fence, deed restrictions, and post-closure groundwater monitoring and surface water monitoring. The EPA installed additional groundwater monitoring wells to determine the direction of groundwater flow and to continue to monitor groundwater. The groundwater monitoring and surface water monitoring have been conducted by the Wichita-Sedgwick County Health Department and post closure maintenance of the site is being provided by the city of Wichita Public Works Department.

Entire Site: In 1989 EPA, in consultation with the Kansas Department of Health and Environment (KDHE), determined that no further remediation was required for the Johns' Sludge Pond site and signed a Record of Decision (ROD) selecting the no-further action remedy. The EPA found that the remedial action conducted at the site by the city of Wichita was protective of human health and the environment. The site was deleted from the National Priorities List (NPL) in January 1992.

Site Facts: In 1985 the EPA entered into a Consent Order with the city of Wichita, requiring the city to conduct a removal action at the site. The city of Wichita completed a site cleanup in 1986 which consisted of removal of contaminated sludge from the disposal cell and stockpiling on adjacent ground surface, installation of a clay liner on the bottom of the disposal cell, solidifying the stockpiled sludge with cement kiln dust, redepositing

the solidified sludge in the lined disposal cell, constructing a compacted clay cap over the sludge and on the sidewalls of the disposal cell, installation of a soil cover over the clay cap, and seeding with vegetation, construction of a fence, deed restrictions, and post-closure groundwater monitoring and surface water monitoring. No further remedial action was selected in the Record of Decision (ROD) which was agreed to by the EPA and the KDHE on September 22, 1989. Five-year reviews of this remedial action have been conducted in 1991, 1997 and 2002. The 2002 five-year review of this site has found that the remedy continues to be protective of human health and the environment.

ENVIRONMENTAL PROGRESS



The remedial action performed by the city of Wichita has provided a remedy which is protective of human health and the environment. The EPA selected the no further remedial action remedy in a Record of Decision in 1989. The Johns' Sludge Pond site was deleted from the National Priorities List (NPL) on January 1, 1992. The groundwater monitoring and surface water monitoring continue to be conducted by the Wichita-Sedgwick County Health Department and post closure maintenance of the site is being provided by the city of Wichita Public Works Department. Five-year reviews of the site have been conducted in 1991, 1997 and 2002.

SITE REPOSITORY



Wichita City Hall,
455 N. Main,
Wichita, KS 67202

Superfund Records Center
901 N. 5th St.
Kansas City, KS 66101
Mail Stop SUPR
(913)551-4038

REGIONAL CONTACTS

SITE MANAGER:

Catherine Barrett

E-MAIL ADDRESS:

barrett.catherine@epa.gov.

PHONE NUMBER:

(913) 551-7704

COMMUNITY INVOLVEMENT COORDINATOR: Hattie Thomas

PHONE NUMBER:

(913) 551-7003

E-MAIL ADDRESS:

thomas.hattie@epa.gov

STATE CONTACT:

Donna DeCarlo

PHONE NUMBER:

(785) 291-3089

MISCELLANEOUS INFORMATION

STATE:

KS

0735

CONGRESSIONAL DISTRICT:

04

EPA ORGANIZATION:

SFD-SUPR/MOKS

MODIFICATIONS

Created by:

Karla
Asberry/SUPRFUND/R7/US
EPA/US

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Barrett/SUPR/R7/USEPA/US

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